

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 14:06:59 ; Search time 562 Seconds
(without alignments)
10263.124 Million cell updates/sec

Title: US-10-018-105-3

Perfect score: 3525
Sequence: 1 tataatataatatata.....tcaattattatcaattatgc 3525

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2.6/prodata/1/ina/5A COMB.seq:
2: /cgn2.6/prodata/1/ina/5B COMB.seq:
3: /cgn2.6/prodata/1/ina/6A COMB.seq:
4: /cgn2.6/prodata/1/ina/6B COMB.seq:
5: /cgn2.6/prodata/1/ina/PCUS COMB.seq:
6: /cgn2.6/prodata/1/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2155.2	61.1	2358	US-09-248-796A-6328	Sequence 6328, Ap
2	423.8	12.0	507	US-09-248-796A-6327	Sequence 6327, Ap
3	168.2	4.8	537	US-08-998-416-66	Sequence 66, Appl
4	118.2	3.4	2445	US-09-248-796A-6302	Sequence 6302, Ap
5	73.4	2.1	708	US-09-248-796A-10622	Sequence 10622, A
6	71.8	2.0	19124	US-08-487-826B-13	Sequence 13, Appl
7	68.8	2.0	1141	US-09-806-708B-22	Sequence 22, Appl
8	68	1.9	767677	US-09-949-016-12147	Sequence 12147, A
9	68	1.9	767677	US-09-949-016-17361	Sequence 17361, A
10	67.6	1.9	29717	US-09-949-016-16284	Sequence 16284, A
11	67.6	1.9	60376	US-09-949-016-12423	Sequence 12423, A
12	66.8	1.9	14066	US-09-601-198-56	Sequence 56, Appl
13	66.4	1.9	19438	US-09-949-016-12899	Sequence 12899, A
14	66	1.9	26000	US-09-843-376-10	Sequence 10, Appl
15	65.8	1.9	205044	US-09-949-016-15851	Sequence 15851, A
16	65.8	1.9	205044	US-09-949-016-15852	Sequence 15852, A
17	65.8	1.9	205044	US-09-949-016-15853	Sequence 15853, A
18	65.8	1.9	223471	US-09-949-016-12387	Sequence 12387, A
19	65.8	1.9	223471	US-09-949-016-12724	Sequence 12724, A
20	65.8	1.9	223471	US-09-949-016-12725	Sequence 12725, A
21	65.2	1.8	1037	US-09-181-585-3	Sequence 3, Appl
22	65.2	1.8	1159	US-09-181-585-1	Sequence 1, Appl
23	65.2	1.8	1471	US-09-181-585-2	Sequence 2, Appl
24	65	1.8	18773	US-09-949-016-14164	Sequence 14164, A
25	64	1.8	1141	US-09-806-708B-22	Sequence 22, Appl
26	63.6	1.8	119153	US-09-949-016-12378	Sequence 12378, A
27	63.4	1.8	837	US-08-998-416-288	Sequence 288, App

ALIGNMENTS

RESULT 1

US-09-248-796A-6328
; Sequence 6328, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 6328
; LENGTH: 2358
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-6328

Query Match	61.1%;	Score 2155.2;	DB 4;	Length 2358;	
Best Local Similarity	97.2%;	Pred. No. 0;	Mismatches 23;	Indels 44;	Gaps 8;
Matches 2293;	Conservative 0;				
QY	285	ATAAATAAATAAGAGTATATCTCCCTTTTGTGTTTTTTTTTCTTCCAGCCATGTCGG	344		
Db	1	ATAAATAAATAAGAGTATATCTCCCTTTTGTGTTTTTTTTTCTTCCAGCCATGTCGG	58		
QY	345	ATAGTGAAGTATTATCAAAATTCACCTATCACTAATCAACCTATTCCTAGATCTGATGAAG	404		
Db	59	ATAGTGAAGTATTATCAAAATTCACCTATCACTAATCAACCTATTCCTAGATCTGATGAAG	118		
QY	405	TATTCGATGATCATAGAAATCAATCACTAATGATGTGTCCTATGCTAGTATGATGAAGATG	464		
Db	119	TATTCGATGATCATAGAAATCAATCACTAATGATGTGTCCTATGCTAGTATGATGAAGATG	178		
QY	465	AGTTGGATTAATAATCAGAAATTAGAATCAGAGTTGTAAAGACGAAA	512		
Db	179	AGTTGGATTAATAATCAGAAATTAGAATCAGAGTTGTGCAAAAACGCAAAACAACAAC	238		
QY	513	AACAACAACAACATCATCAAGAGATTATCATCAGATAATGCTAAACCATTTGATCTGTAAT	572		
Db	239	AACAACAACAACATCATCAAGAGATTATCATCAGATAATGCTAAACCATTTGATCTGTAAT	298		
QY	573	CTGGTTCTTCAATTAAAGAAAAATCTATCTTTACCGATAAGATAGAAATTACCAACCTTA	632		
Db	299	CTGGTTCTTCAATTAAAGAAAAATCTATCTTTACCGATAAGATAGAAATTACCAACCTTA	358		

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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 13:36:05 ; Search time 1739 Seconds
(without alignments)
11999.476 Million cell updates/sec

Title: US-10-018-105-3
Perfect score: 3525
Sequence: 1 tatataataataataata.....tcaattattatcaattatgc 3525

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_16Dec04:*

- 1: Geneseq1980a:*
- 2: Geneseq1990a:*
- 3: Geneseq2000a:*
- 4: Geneseq2001a:*
- 5: Geneseq2001bs:*
- 6: Geneseq2002a:*
- 7: Geneseq2002bs:*
- 8: Geneseq2003a:*
- 9: Geneseq2003bs:*
- 10: Geneseq2003cs:*
- 11: Geneseq2003ds:*
- 12: Geneseq2004a:*
- 13: Geneseq2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3523	99.9	3525	3 AAC87954	Aac87954 Candida a
2	2769	78.6	2769	6 AB232388	Abz32388 Candida a
3	263.8	7.5	684	6 ABN21722	Abn21722 Human ORF
4	179.6	5.1	1992	8 ABT19393	Abt19393 Aspergill
5	179.6	5.1	1992	8 ABT21213	Abt21213 Aspergill
6	169.4	4.8	860	8 ABZ51492	Abz51492 Aspergill
7	168.2	4.8	537	2 ADR01374	Adr01374 A. gossyp
8	118	3.3	462	6 ABN76186	Abn76186 Human gly
9	117.6	3.3	8056	8 ABZ10246	Abz10246 Haematopo
10	116.4	3.3	688	3 NAP14580	Nap14580 Aspergill
11	113.6	3.2	2048	8 ABT18799	Abt18799 Aspergill
12	113.6	3.2	2048	8 ABT18799	Abt18799 Aspergill
13	113.6	3.2	4048	8 ABT18799	Abt18799 Aspergill
14	113.6	3.2	4048	8 ABT18799	Abt18799 Aspergill
15	113.6	3.2	7990	13 ADR84473	Adr84473 Aspergill
16	107.8	3.1	321	6 ABN22505	Abn22505 Human ORF
17	106.8	3.0	4985	6 ABQ75107	Abq75107 Anopheles
18	106.8	3.0	4985	10 ACF79720	Acf79720 Mosquito
19	106.2	3.0	575	3 AAF07924	Aaf07924 Fusarium
20	94.4	2.7	969	6 ABQ39490	Abq39490 Oligonuc

21 94.4 2.7 969 6 ABQ39491
22 92.6 2.6 8056 8 ABZ10246
23 90 2.6 3996 6 AAD47004
24 86.6 2.5 8056 8 ABZ10100
25 85.8 2.4 2000 10 ADK62467
26 84.8 2.4 2000 8 ABZ10100
27 84 2.4 7676 6 ABL34598
28 84 2.4 7676 7 ABL70409
29 84 2.4 7676 6 ADS99859
30 81.2 2.3 4985 6 ABQ75107
31 81.2 2.3 4985 10 ACF79720
32 79.8 2.3 6033 3 AAA70152
33 79.8 2.3 9859 13 ADS89440
34 79.8 2.3 9859 13 ADS89714
35 79.6 2.3 3931 9 ACC84661
36 78.2 2.2 8759 8 ABZ10238
37 78.2 2.2 8759 8 ABZ09964
38 78.2 2.2 8759 8 ABZ10092
39 78.2 2.2 8759 8 ABZ10110
40 78.2 2.2 8759 10 ADB54086
41 78.2 2.2 8759 10 ADB54214
42 78.2 2.2 8759 10 ADE84072
43 78.2 2.2 8759 10 ADE84148
44 78.2 2.2 8759 13 ADS89514
45 78.2 2.2 8759 13 ADS89240

ALIGNMENTS

RESULT 1
AAC87954
ID AAC87954 standard; DNA; 3525 BP.
XX
AC AAC87954;
XX

DT 06-MAR-2001 (first entry)

DE Candida albicans CaALR1 nucleotide sequence.

KW Candida albicans; yeast pathogen; identification; fungal; antifungal;
KW CaKRES; CaALR1; CaCDC24; diagnosis; fungicide; fungal infection; ds.
XX

OS Candida albicans.

FN WO2000068420-A2.

PD 16-NOV-2000.

PF 05-MAY-2000; 2000WO-CA000533.

PR 05-MAY-1999; 99US-0132878P.

XX (MYCO-) MYCOTA BIOSCIENCES INC.

XX Roemer T, Bussey H, Davison J;

DR WPI; 2000-687652/67.

XX P-PSDB; AAB36515.

PT New DNA encoding essential proteins of Candida albicans, useful for
diagnosing fungal infections and to screen for clinical or agricultural
antifungal agents.

PS Claim 3; Fig 2A; 76pp; English.

XX The present sequence represents the fungus-specific Candida albicans gene
CaALR1. The present invention describes the fungus-specific genes CaKRES,
CaALR1 and CaCDC24 isolated in the yeast pathogen C. albicans. The genes
have antifungal and fungicide activity. The genes in C. albicans and are
useful as drug targets. Fragments of them are useful as probes and
primers for diagnosis of fungal infections, also as antisense and
ribozyme agents. Proteins encoded by the genes are used to screen for

3061	TGTTGGTAAATAATCMAATTATTAGTTTCCCAATAAATGAATAGAATAAATCAAAGAA	31121
QY	ATGCCACAGAGTTTGATGGTTGTCTTTTTTTTTTTTTTTTATTCATCATGATCGAGTTGTATAT	31180
Dd	ATGCCACAGAGTTTGATGGTTGTCTTTTTTTTTTTTTTTTATTCATCATGATCGAGTTGTATAT	31180
QY	ACATATACCTTTTATAGTAGTAACAATAGTAAATGATATAGTATAGTGCATCATCATCATATA	3240
Dd	ACATATACCTTTTATAGTAGTAACAATAGTAAATGATATAGTATAGTGCATCATCATCATATA	3240
QY	TTTATAAATTGTATATAAATCGTATACTAACTTCTTCTTGATTAGGGAAAAGAGTTATATTA	3300
Dd	TTTATAAATTGTATATAAATCGTATACTAACTTCTTCTTGATTAGGGAAAAGAGTTATATTA	3300
QY	TTTACTATAAAACATTTATTTTTTACGAGTTGTGTAAAAATTGGGAGAGTCAAAATTAATAGGAT	3360
Dd	TTTACTATAAAACATTTATTTTTTACGAGTTGTGTAAAAATTGGGAGAGTCAAAATTAATAGGAT	3360
QY	GTAAGAAGAGTTTAAAAAGAGGAATAAAGAAATATTATAATTACAGANGTTCATACAGAA	3420
Dd	GTAAGAAGAGTTTAAAAAGAGGAATAAAGAAATATTATAATTACAGANGTTCATACAGAA	3420
QY	GGGGGGGGAAGGAGGAGGGAATATATACGGCAATTTGTTGGTACTTTTGTGGTGGAAATA	3480
Dd	GGGGGGGGAAGGAGGAGGGAATATATACGGCAATTTGTTGGTACTTTTGTGGTGGAAATA	3480
QY	AAATATAAGTTTATCTAAATATTATATCAATTTATATCAATATATGCG	3525
Dd	AAATATAAGTTTATCTAAATATTATATCAATTTATATCAATATATGCG	3525

RESULT 2

ABZ32388

AC ABZ

30-
DTCan
DE
XX

KW	Fund
XX	

XX OS can

XX PN WO2

XX PD 11-

XX 26-

XX PR 29-

PR 20-
PR 22-

XX PA (ET)

XX
PT Roe

XX DR WPT

DR P-P
XX

PT

XX ps cla

XX CC The

cell
line

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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 13:38:30 ; Search time 14937 Seconds
(without alignments)
11435.003 Million cell updates/sec

Title: US-10-018-105-3
Perfect score: 3525
Sequence: 1 tataataataataatata.....tcaattattatcaattatgc 3525

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl.*
1: gb_ba.*
2: gb_hcg.*
3: gb_in.*
4: gb_om.*
5: gb_ov.*
6: gb_pat.*
7: gb_ph.*
8: gb_pl.*
9: gb_pr.*
10: gb_ro.*
11: gb_sts.*
12: gb_sy.*
13: gb_un.*
14: gb_vi.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3523	99.9	3525	6	BD273775
2	3523	99.9	3525	6	AX046919
3	2769	78.6	2769	6	AX489375
4	2155.2	61.1	2358	6	AR551197
5	581	16.5	110000	8	Continuation (15 o
6	423.8	12.0	507	6	AR551196
7	396	11.2	2580	8	AY692762
8	396	11.2	4202	8	SCY0130W
9	396	11.2	13421	8	SCY01293
10	385	10.9	110000	8	CR380951.1
11	383	10.9	270148	8	YSCCHRVIN
12	376	10.7	110000	8	CR382125_06
13	373.6	10.6	110000	8	AE016817_03
14	263.8	7.5	684	6	CQ446161
15	252.4	7.2	35030	8	SPBC27B12
16	252.4	7.2	38000	8	AB004539
17	252.4	7.2	38911	8	AB004538
18	215	6.1	110000	8	CR382130_00
19	191.2	5.4	43880	8	SPAC17G6

20	190.8	5.4	110000	8	CR382131_00
21	176.8	5.0	875	11	CNS06F3M
c 22	172.4	4.9	163843	5	BX510939
c 23	172.4	4.9	211113	2	CR391962
c 24	169.8	4.8	110000	8	CR380959_12
c 25	168.2	4.8	537	6	A85407
c 26	168.2	4.8	537	6	AR154900
c 27	168.2	4.8	537	6	E65425
c 28	150.6	4.3	110000	8	CR382137_08
c 29	149	4.2	94534	5	AL929250
c 30	145.4	4.1	173019	5	BX321884
c 31	145	4.1	238084	2	BX950172
c 32	144	4.1	34347	2	BX957360
c 33	142.8	4.1	155204	2	AC007926
c 34	142	4.0	177575	5	AL953867
c 35	141.8	4.0	143342	2	CR388191
c 36	140.2	4.0	145306	2	BX899179
c 37	140.2	4.0	145553	5	AL935272
c 38	138.2	3.9	154071	3	AC115598
c 39	130.2	3.7	115990	5	BX890614
c 40	127.6	3.6	203127	5	BX322566
c 41	127.4	3.6	3957	8	SCYKL064W
c 42	127.4	3.6	28600	8	SCX1286K
c 43	126.8	3.6	100893	8	CR380959_13
c 44	126.2	3.6	146415	5	AL929469
c 45	126.2	3.6	170800	2	CR352223

ALIGNMENTS

RESULT 1
BD273775
LOCUS
DEFINITION
BD273775
ACCESSION
BD273775.1
VERSION
BD273775.1
KEYWORDS
JP 2002543799-A/2
SOURCE
Candida albicans
ORGANISM
Candida albicans
REFERENCE
1 (bases 1 to 3525)
AUTHORS
Roemer, T., Bussey, H. and Davison, J.
TITLE
Identification of candida albicans essential fungal specific genes and use thereof in antifungal drug discovery
JOURNAL
Patent: JP 2002543799-A 2 24-DEC-2002;
COMMENT
MCGILL UNIVERSITY
OS
Candida albicans
PD
JP 2002543799-A/2
PF
05-MAY-2000 JP 2000616385
PR
05-MAY-1999 US 60/132878
PI
TERRY ROEMER, HOWARD BUSSEY, JOHN DAVISON
PC
C12N15/09, C07K16/40, C07K16/14, C12Q1/68, G01N33/15, G01N33/50, PC
GOIN33/569,
PC
C12N15/00
CC
Identification of candida albicans essential fungal specific genes and use thereof in antifungal drug discovery
CC
thereof in antifungal drug discovery
FH
Key Location/Qualifiers
FT
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Location/Qualifiers
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/organism="Candida albicans"
/mol_type="genomic DNA"
/db_xref="taxon:5476"

Query Match 99.9%; Score 3523; DB 6; Length 3525;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3525; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db	2161	TGCCATTGAAGATGCGCGTTTTCACCTGACAGATCTGATTTTAGTAGTATGCTTACAAG	2220
Qy	2221	AATTTGGTGAATCAAGAAGAAAGCTCATGCTTTAAATGAGATTTATTCAGGTAAAGCTGA	2280
Db	2221	AATTTGGTGAATCAAGAAGAAAGCTCATGCTTTAAATGAGATTTATTCAGGTAAAGCTGA	2280
Qy	2281	TGTCATTTAAATGTTTGTCTAAAAGATGTCAGAAGAGAGCTTAATCTTCTTCTGGTTATTA	2340
Db	2281	TGTCATTTAAATGTTTGTCTAAAAGATGTCAGAAGAGAGCTTAATCTTCTTCTGGTTATTA	2340
Qy	2341	TCACGTCATATATAACTTTCACAAACAAACAAACAGGCCCAACCAACACACCTTAATCC	2400
Db	2341	TCACGTCATATATAACTTTCACAAACAAACAAACAGGCCCAACCAACACACCTTAATCC	2400
Qy	2401	TATTTATTACTTCACCAATTAATTCACACTTTGAATCTTAATAGTTTATAGGAACCTTCAACTGG	2460
Db	2401	TATTTATTACTTCACCAATTAATTCACACTTTGAATCTTAATAGTTTATAGGAACCTTCAACTGG	2460
Qy	2461	TGGAGGATGAGGATGAGGAGNATTAATTTTGGTCCCAATCCAACTCGAAATAATACTAA	2520
Db	2461	TGGAGGATGAGGATGAGGAGNATTAATTTTGGTCCCAATCCAACTCGAAATAATACTAA	2520
Qy	2521	TACTAATACTAATACTACTGTTTCACTTCAACCACTCTCAACCAACCAACCAACATGGTAT	2580
Db	2521	TACTAATACTAATACTACTGTTTCACTTCAACCACTCTCAACCAACCAACCAACATGGTAT	2580
Qy	2581	CACATAACAAATCTTTCCCACTCCCGGATGACCGTCCCAAGAGCTGATATTCATATATTT	2640
Db	2581	CACATAACAAATCTTTCCCACTCCCGGATGACCGTCCCAAGAGCTGATATTCATATATTT	2640
Qy	2641	AGGTGATATTCAGATCATATAATCACCATGTTTCAAAAATTTATAGCTATGAAAAAT	2700
Db	2641	AGGTGATATTCAGATCATATAATCACCATGTTTCAAAAATTTATAGCTATGAAAAAT	2700
Qy	2701	TTTCAGTCGTTTCAATTCAAAATTTATAGCTCAATTAACAAGTTGAATCATTTCAATTCCTAA	2760
Db	2701	TTTCAGTCGTTTCAATTCAAAATTTATAGCTCAATTAACAAGTTGAATCATTTCAATTCCTAA	2760
Qy	2761	TAATTAATATCACCGAATGTTTTCTTAAATTTACTTTGATTTGGGACAATGTTAGTTCAT	2820
Db	2761	TAATTAATATCACCGAATGTTTTCTTAAATTTACTTTGATTTGGGACAATGTTAGTTCAT	2820
Qy	2821	AAATTTAGTTCACGGGACTTTTGGTATGAATGTAAGAGTCCCTGGTGAAGGTGATACCAA	2880
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Db	2881	TTTATAGTTGGTTTTTCGGAAATGTTTGGAGTATTAATTTATTAATTTATGATCATTTAT	2940
Qy	2941	ATTTGCTCAATGGTGGTTGAAAAATTCAAATTAATTCAAATTCAGACGACAAATATGTA	3000
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Qy	3001	TCGACCAATTTTAAATCATTCATCAAGAAGATCAATTAGAAGTTTAGGTTTAAAAAACA	3060
Db	3001	TCGACCAATTTTAAATCATTCATCAAGAAGATCAATTAGAAGTTTAGGTTTAAAAAACA	3060
Qy	3061	TGGTGGTATAATAATCAATTTATTTAGTTTCCCAATAAATATGAAATGAATATCAAAGAA	3120
Db	3061	TGGTGGTATAATAATCAATTTATTTAGTTTCCCAATAAATATGAAATGAATATCAAAGAA	3120
Qy	3121	ATGCCACAGAGTTTGAATGTTTTTTTTTTTTTTTTTTTATTTGTCATGATGGAGTTGTAT	3180
Db	3121	ATGCCACAGAGTTTGAATGTTTTTTTTTTTTTTTTTTTATTTGTCATGATGGAGTTGTAT	3180
Qy	3181	ACATATATCTTTTTTATAGAAGTAACTAGTAATAATGATATAGTATCATCATCATCAT	3240
Db	3181	ACATATATCTTTTTTATAGAAGTAACTAGTAATAATGATATAGTATCATCATCATCAT	3240
Qy	3241	TTTATAATTTGATATAATCGTATCATCTTCTTCTTGTATTTAGGAAAGAGTTATATTA	3300

[illegible]

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2221 AATGGTGAATCAAGAAGAAAAGTCAAGACTTTAATGAGATTATATCAGGTAAAGCTGA 2280
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2281 TGTCAATTAATAATGTTTCTAAAGATGTCAAGAAGAGCTAAATCTTCTTCTGTTATTA 2340
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2281 TGTCAATTAATAATGTTTCTAAAGATGTCAAGAAGAGCTAAATCTTCTTCTGTTATTA 2340
|||||
2341 TCAAGCTCAATATAACTTCAACAACAACAACAAGAGCCCAACCAACCACTTAATCC 2400
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2341 TCAAGCTCAATATAACTTCAACAACAACAACAAGAGCCCAACCAACCACTTAATCC 2400
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2401 TATTATTAATCTTCACTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2460
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2401 TATTATTAATCTTCACTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2460
|||||
2461 TGGAGGAGTAGGAGTAGGAGGAGTAATTAATTTGGTCCCAATCCAACTGGAAATAATACTAA 2520
|||||
2461 TGGAGGAGTAGGAGTAGGAGGAGTAATTAATTTGGTCCCAATCCAACTGGAAATAATACTAA 2520
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|||||
2521 TACTAATACTAATACTACTGTTTCACTTCAACCACTCAACAACAACAACAAGAGCTAT 2580
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2581 CACTAACAATCTTTCCCATCCCGATCCAGTCCAGAGCTGATTAATGCAATATATTT 2640
|||||
2581 CACTAACAATCTTTCCCATCCCGATCCAGTCCAGAGCTGATTAATGCAATATATTT 2640
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2641 AGGTGATATTCAGATCATATATATCACTATGTTTCAAAATTTATAGCTTCAAAAAAT 2700
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2701 TTTTCAGTCTGTTCACTTCAAAATTTATAGTCTCAATTAAGTGAATCAATTCATTCCTAA 2760
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2761 TAATAAAATCAACGAAATGTTTCTAAATTTACTTTGATTTGGAACAATGTTAGTTCATTT 2820
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2821 AATTTAGTCAACGAGATTTTGGTATGAATGAATGAAGTCCCTGGTGAAGGTGGTACCAA 2880
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2881 TTTAGTGTGTTTTCGGAAATGTTGGAGTATTAATTAATTAATTAATTTGATTCATTTAT 2940
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2941 ATTTGCTCAATGGTGTGAAATAATGAATAATCAATTTGAAGGACAAATAATGGTAA 3000
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3241 TTTATTAATTTGATATATCGTATCTTCTTCTGATTTAGGGAAGAGTTTATATTA 3300
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RESULT 3
AX489375 2769 bp DNA linear PAT 16-AUG-2002
LOCUS
DEFINITION Sequence 6675 from Patent WO02053728.
ACCESSION AX489375
VERSION AX489375.1 GI:22323387
KEYWORDS
SOURCE Candida albicans
ORGANISM Candida albicans
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.

1
Roemer, T., Jiang, B., Boone, C., Buesey, H. and Ohlsen, K.L.
Gene disruption methodologies for drug target discovery
Patent: WO 02053728-A 6675 11-JUL-2002;
Elitra Pharmaceuticals, Inc. (US)

FEATURES
Location/Qualifiers
1..2769
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/mol_type="unassigned DNA"
/db_xref="taxon:5476"

ORIGIN
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2769; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ATGTCGATGAGTGAAGTTTATTTATCAAAATTCACACTACTAATCAACCTATTCTAGATCT 60
QY 398 GATGAGTATTCGATGATCATAGAAATCAAAATCACTAATGATTTGTCCTTACTGATAGT 457
Db 61 GATGAGTATTCGATGATCATAGAAATCAAAATCACTAATGATTTGTCCTTACTGATAGT 120
QY 458 GAAGATGAGTTCGAATTTAAATCAGAAATTAGAATCAGAAAGTTGTAAAGAGCGAAAAACA 517
Db 121 GAAGATGAGTTCGAATTTAAATCAGAAATTAGAATCAGAAAGTTGTAAAGAGCGAAAAACA 180
QY 518 CAACAACATCATCAGAGATTACATCAGATATGCTTAAACCATTTGATGCTGTAATCTGCT 577
Db 181 CAACAACATCATCAGAGATTACATCAGATATGCTTAAACCATTTGATGCTGTAATCTGCT 240
QY 578 TCTTCAATTAAGAAAAATCTAATCTTACCGATAAGATAGAAATTAACCAACCTTATGAT 637
Db 241 TCTTCAATTAAGAAAAATCTAATCTTACCGATAAGATAGAAATTAACCAACCTTATGAT 300
QY 638 TTATCTGTTGTTGATGATATTAATTAACCGGGTCAAAAAATCGTAATTTATAACATGAT 697
Db 301 TTATCTGTTGTTGATGATATTAATTAACCGGGTCAAAAAATCGTAATTTATAACATGAT 360
QY 698 TCATTACGTAAGATTTTTTATTAAGATAATATCTGACGACAAATTTCTACTAATATCAT 757
Db 361 TCATTACGTAAGATTTTTTATTAAGATAATATCTGACGACAAATTTCTACTAATATCAT 420
QY 758 ACTCATCTTGGCAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAAT 817
Db 421 ACTCATCTTGGCAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAATTCGAAT 480

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QY	878	GTCGTGAATAATTTCTAATAATTTGAAAANGAATTTAGTTCCTCAGACAAAAATGAAA	937
DB	541	GTCGTGAATAATTTCTAATAATTTGAAAANGAATTTAGTTCCTCAGACAAAAATGAAA	600
QY	938	ACTAATGATAGTAGAAGATTAATTAATCTAGCACACCTGCTTAATCATATGAAAATCTGGT	997
DB	601	ACTAATGATAGTAGAAGATTAATTAATCTAGCACACCTGCTTAATCATATGAAAATCTGGT	660
QY	998	ATTGGTGCTACCAACCCTCGGTGTGGAACTGGTACTACCGCCACTGCCACTGCCT	1057
DB	661	ATTGGTGCTACCAACCCTCGGTGTGGAACTGGTACTACCGCCACTGCCACTGCCT	720
QY	1058	GCTGCTGGTAGAAGAACATCTCGTTCAATCTATGATAGTAGAAGCTGATCTCATGCATCA	1117
DB	721	GCTGCTGGTAGAAGAACATCTCGTTCAATCTATGATAGTAGAAGCTGATCTCATGCATCA	780
QY	1118	AGATCACTCAAGAAAATCTGGAAGATTTGTTTTCTTCTATGTTGGTGATCATATTAGA	1177
DB	781	AGATCACTCAAGAAAATCTGGAAGATTTGTTTTCTTCTATGTTGGTGATCATATTAGA	840
QY	1178	GTTAATGGAAATTCATTTGATGAAATTTGATGAATTTATTAGAGAAGAAAAGAGCT	1237
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DB	901	TATTTACAAAAAACAATGATGCTTAAATAATTTCTGGGTATTTGATGAATTTCAAATCTT	960
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DB	1081	CCAAAAATATTTTAAAGAAAACATTTACAGATTTGAAATTTACTCATGAAAATCTTCA	1140
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DB	1141	TCCTCAGAGAATAATTAAGATTCGAAGTAAACAAACAAACCACTTACAAATATGATAT	1200
QY	1538	CAATATCATTAATCTCATCTACATCTTCTACTCTGATCTGATCTGGCAGGTGAAA	1597
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DB	1261	TTTGGTGAGCAAGAAATTTCTGATGGGATTAATGGAGGTTCAATACCTGATAGATTTTCA	1320
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DB	1321	CTTTTCCATCTCGAATCAGAAGAACTATCATGCCCCCGGATATTTCCATCATATTAGTATCA	1380
QY	1718	CCAGTCTCAATCTGTTTCGAGATTTATTAGAAAATGGTGAAGAAAATTTGGTGGTTAGATTGT	1777
DB	1381	CCAGTCTCAATCTGTTTCGAGATTTATTAGAAAATGGTGAAGAAAATTTGGTGGTTAGATTGT	1440
QY	1778	ACTTGTCTCTCATCTCGAATTCGAAGTAAATTTGGCCCAAGCAATTTGGTATTCATCTTTA	1837
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QY	1838	ACTGCTGAGATATTCGAATGCAAGAAAATCTCGTGAAAAAGTTGAATTTATTAAGATTTAT	1897
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QY	813	CTAATAAATCAAGAAGAAAATCTCAAATTGGAAAATTTTACCTCCATTAATTTAAAGAGAAA	872
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QY	873	CAATTGGTGGTAATAAATCTTAATAAATTTTGAAAATGATTTTAGTCCCATGACAAAAA	932
DB	599	CTAATTGGTGGTAATAAATCTTAATAAATTTTGAAAATGATTTTAGTCCCATGACAAAAA	658
QY	933	TGAAAACTAATGATAGTAGAAGATTAATCTAA---TACTAGCACACTGCTAATCATATGA	989
DB	659	TGAAAACTAATGATAGTAGAAGATTAATCTAA---TACTAGCACACTGCTAATCATATGA	718
QY	990	AACTTGGTATTGGTGTCAACACCTTGGTGTTCGGAACCTGGTACTACCGCCACATGCCACTG	1049
DB	719	AACTTGGTATTGGTGTCAACACCTTGGTGTTCGGAACCTGGTACTACCGCCACATGCCACTG	778
QY	1050	CCACTGCTGCTGC-----TGGTAGAAGACCATCTCGTTCCATCTATTTGATPAGTGAAG	1100
DB	779	CCACTGCTACTGCTGGTGGTGGTAGAAGACCATCTCGTTCCATCTATTTGATPAGTGAAG	838
QY	1101	CTGAATCTCAATGATCAAGATCATCTCAAGAACTCAAGAAAGATGTTGTTGTTCCCTATGG	1160
DB	839	CTGAATCTCAATGATCAAGATCATCTCAAGAACTCAAGAAAGATGTTGTTGTTCCCTATGG	898
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QY	1221	AAGAAAGAGAAGAGCTTATTACAAAAACAAATGATGCTAAAAATATTTCTGCGTATTG	1280
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QY	1341	ATCATCACAGTAATAATAATAAAAAATAATAGTGGTGGTAGTGGTAGTGGTCTCTAGTA	1397
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DB	1259	CACCTTACAAATATGATGATCAATATTCAATTAACCTTCATCTACATCTTCTACTGGAT	1318
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DB	1319	CTGGATCTGGATCTGGCGAGGTGAAATTTGGTGGAGCAAGAAATTTCTGATGGGATTAATG	1378
QY	1632	GAGGTTTCATTTACTGATAGATTTTTCATCTTTTCCATCTTCGAAATTCAGAGAAACTATTCATG	1691
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QY	1692	CCCCGATATTCATCATTTAGTATCACAGGTCAATCTGTTTCGAGATTTATTTAGAAATG	1751
DB	1439	CCCCGATATTCATCATTTAGTATCACAGGTCAATCTGTTTCGAGATTTATTTAGAAATG	1498
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DB	1499	GTGAAGAACTTGGTGGTTAGATTGTACTGTCTCTA CTGATTCGGAAATGAAATGTTGG	1558
QY	1812	CCAAAGCATTTGGTATTTCATCTTTTAACTGCTGAGAGATTTTCGAATCCAGAACTCGTG	1871
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QY	1872	AAAAAGTGAATTAATTTAAAAAGTTAATTTTGTGTTGTTTCCATCTTTTGAAGCTGATA	1931

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Continuation (15 of 24) of CR382138 from base 1400001 (CR382138 Debaryomyces hansenii chi

Query Match 16.5%; Score 581; DB 8; Length 110000;
Best Local Similarity 58.1%; Pred. No. 1.9e-72;
Matches 1348; Conservative 0; Mismatches 815; Indels 158; Gaps 12;

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QY 1127 CAAGAACTGAGAGAGATGTTTGTTCCTATGGTGTGTGATCATATAGAGTGAATAGGA 1186
DB 14134 CAGAGACAGAAGAAGATGTTTGTCTTCTATGTTGCGTGAACACGTTCTGTTAAGGCT 14075
QY 1187 ATTGATTTTGATGAATATGATGAATTTATTAGAGA--AGAAAAGAGAAGCTTATTATC 1244
DB 14074 ATTGATTTTGATGAATTTGAAGAGTTTATTAGAGATGAGAAAAGAGAATGAATGCAATTTA 14015
QY 1245 AAAAACAATGATGCTGCTAAAAATATCTCGGTATTGATGAATTTCAAAATCTTTCCAAA 1304
DB 14014 AAAGAGGAACAACAGATGATCGCAGAAAAGAACAGCCATGAGGCT-----TGATCTGGAC 13960
QY 1305 ATAATCTACTAGTGGTGCATCTCGTCAATCATCATCACGTAATAATAAATAA 1364
DB 13959 ATGGAGTGCAGCGCATGTAGGTC--CCAGTAAATATGCTTGAATATCTCCGTCAAC 13901
QY 1365 AAAATAATGGTGTGATGGTGTGGTCTTAGTATGCGCAGCATTAATAATATCTCCAAAA 1424
DB 13900 ATATTAGAAAGGCTTCGTTGGAAAGTTTGGTAGAAGAATACCTATGCGAGCGACATA 13841
QY 1425 ATATTTTAAAGAAAAACATTAACAAGTTTGAATTTACTCATGAAATCTTCTATCTTCAG 1484
DB 13840 ATGCTTCTATCTGGTATTAAAT--ATTTCGAGAGGGGCACAATCAGATCTTCTTACCGTTA 13783
QY 1485 AAGAAATTTATGAATTTGAAGACTTAACAACACCACTTACAATAATGATGATCAATAT 1544
DB 13782 CAGATGATTTCTGCTCTAGGAGATACAAGAAAGATTTTGGGAGACGATGATTTTCCA 13723
QY 1545 CATTAATCTCATCTACATCTTCTACTTCTGATCTGGATCTGGAGTGGGAGGTGAAATTTGGTG 1604
DB 13722 CCGAAA-----ATGTTAAGTTTGGTG 13702
QY 1605 GAGCAAGAAATTTCTGATGGGATTAATGGAGGTTCAATACCTGATAGATTTTTCATCTTCC 1664
DB 13701 GTACAAGATCAACGA-----TAATGATTCGGCATTCGCTGAAAGGTTTTTCACTCTTTT 13648
QY 1665 ATTCTGAATCAGAGAAGAACTATTTCATGCCCCCGCATATTCATCATTTAGTATCACAGGTC 1724
DB 13647 GTTCCGAATCAGAGAAGAAACAATCATGCTCCTGATATTCCTTCTGTTGGTCAAACTGGGC 13588
QY 1725 AATCTGTTTCGAGATTTTATTTAGAAATGTTGTAAGAACTTGGTGGTTAGATTTGATCTGTC 1784
DB 13587 AGAGTGTAAAGCGATTTGTTTCAGAAATGTTGTAAGTACATGTTGATGTTGTTGTTGCC 13528
QY 1785 CTACTGATTCGGAATGAAATGTTGGCAGAAAGCATTTGGTATTCATCTCTTTAATCTGTCG 1844
DB 13527 CTACTGATGCTGAAATGAAATGTTGTTGCTAAAGCATTTGGTATTCATCTCTTTGACAGCTG 13468
QY 1845 AAGATATCGAATCGAAGAACTCGTGCAAAAAGTTGAATTTTAAAGTTTAAATTTTATTTTG 1904
DB 13467 AAGATATTCGATGCAAGAAACCCGTGAAAGGTTGAATTTATTCAGAACTATTTATTTTG 13408
QY 1905 TTTGTTTCCATCTTTTGAAGCTGATAAAGATCTGAAGATTTATTAGAACCGATAAATG 1964
DB 13407 TTTGTTTCCATCTTTTGAAGGTCATCAGGAATCAGAGATTTACTTGGAGCGGATTTACT 13348

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Qy	1725	AATCTGTTTCGAGATTTATTAGAAATGGTGAAGAACTTCGTGGTTAGATTGTACTTCGTC	1784
Db	13587	AGAGTGTAAAGCGATTTGTTCAGAAATGGTGAAGTACATGGTGGCTGTTGATTGTGTTTGCC	13528
Qy	1785	CTACTGATTCGGAATCGMAAATGTTGGCCAAAGCATTTGGTATTTCATCCTTTAACTGCTG	1844
Db	13527	CTACTGATGCTGAATGMAATGGTTGCTAAAGCATTTGGTATTTCATCCTTTGACAGCTG	13468
Qy	1845	AAGATATTCSAATGCAAGAACTCGTGGAAGTTGAATTTATTTAAAGTATTATTATTG	1904
Db	13467	AAGATATTCGTATGCAAGAAACCGTGAAAAGGTGGAAATTATTCAGAAACTATTATTATTG	13408
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Db	13407	TTTGTTCCTACTTTTGAAGGTGATCAGGAATCAGAGGATTACTTGGAGCGGATTACT	13348

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 14:15:33 ; Search time 10845 Seconds
(without alignments)
12372.204 Million cell updates/sec

Title: US-10-018-105-3
Perfect score: 3525
Sequence: 1 tatataatataatatata.....tcaattattatcaattatgc 3525

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST.*
1: gb_est1.*
2: gb_est2.*
3: gb_est3.*
4: gb_est4.*
5: gb_est5.*
6: gb_est6.*
7: gb_est7.*
8: gb_est8.*
9: gb_est9.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
C 1	359.8	10.2	912	9	AL399925 T7 end of
C 2	301.6	8.6	1032	9	AL427134 clone BA0
C 3	211.2	6.0	1089	9	AL410742 T3 end of
C 4	210.8	6.0	798	9	AL426171 clone BA0
C 5	202	5.7	579	8	BZ295013 CG1236.f1
C 6	187.2	5.3	911	9	AL399045 T3 end of
C 7	176	5.0	874	9	AL398239 T3 end of
C 8	176	5.0	911	9	AL397913 T3 end of
C 9	172.4	4.9	955	7	CO028936 EST807320
C 10	163	4.6	387	7	CO142543
C 11	156.2	4.4	771	7	CF709049 CCAGA797R
C 12	146	4.1	973	9	CNS06GSK
C 13	145.4	4.1	524	8	BZ297820 CG3653.r1
C 14	143	4.1	763	1	AJ637812
C 15	141.2	4.0	614	4	BM266292 VL58 cDNA
C 16	141	4.0	712	5	BQ743184
C 17	133.2	3.8	964	7	CO034119
C 18	128.4	3.6	750	6	CD488559
C 19	122.6	3.5	850	9	CNS06X53
C 20	121.8	3.5	921	9	CNS07592
C 21	119.2	3.4	907	7	CO027928
C 22	117	3.3	895	9	CNS06HLJ
C 23	114.8	3.3	934	7	CF823927
C 24	110.2	3.1	551	1	AJ637804

C 25	109.4	3.1	786	7	CF709038
C 26	108.6	3.1	1061	9	CNS07DEE
C 27	108.2	3.1	901	7	CO011480
C 28	108	3.1	965	7	CF820256
C 29	106.6	3.0	641	8	AQ946120
C 30	106	3.0	575	8	BZ780846
C 31	102.4	2.9	819	7	CF715298
C 32	102.2	2.9	707	9	CG403581
C 33	100.6	2.9	815	7	CO025755
C 34	100.6	2.9	823	7	CO025396
C 35	100.6	2.9	907	7	CO028288
C 36	100.6	2.9	932	7	CO025732
C 37	100.6	2.9	936	7	CO031086
C 38	100.6	2.9	989	7	CO028935
C 39	100.4	2.8	413	5	BQ491813
C 40	99.8	2.8	587	8	BH873429
C 41	99.8	2.8	781	9	BX145762
C 42	97.4	2.8	832	8	BH391984
C 43	96.2	2.7	772	7	CF816703
C 44	96	2.7	700	8	AQ940248
C 45	95.4	2.7	670	8	BZ388480

ALIGNMENTS

RESULT 1
CNS06173/c
LOCUS
DEFINITION
T7 end of clone AS0AA018C10 of library AS0AA from strain CLIB 533
of Saccharomyces bayanus, genomic survey sequence.
ACCESSION
AL399925
VERSION
AL399925.1 GI:12155087
KEYWORDS
GSS.
SOURCE
Saccharomyces bayanus
ORGANISM
Saccharomyces bayanus
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Saccharomycetes.
REFERENCE
1 (bases 1 to 912)
Souciet J.L., Aigle M., Artiguenave F., Blandin G.,
de-Montigny J., Bujon B., Durrens P., Lepingle A., Llorente B.,
Maupertuy A., Neuveglise C., Ozier-Kalogeropoulos O., Potier S.,
Saurin W., Tekala F., Toffano-Nioche C., Wesolowski-Louvel M.,
Wincker P. and Weissenbach J.
Genomic exploration of the hemiascomycetous yeasts: 1. A set of
yeast species for molecular evolution studies
FEBS Lett. 487 (1), 3-12 (2000)

JOURNAL
MEDLINE
20584711
PUBMED
11152876
REFERENCE
2 (bases 1 to 912)
Bon E., Neuveglise C., Casaregola S., Artiguenave F., Wincker P.,
Aigle M. and Durrens P.
Genomic exploration of the hemiascomycetous yeasts: 5.
Saccharomyces bayanus var. uvarum
FEBS Lett. 487 (1), 37-41 (2000)
JOURNAL
MEDLINE
20584715
PUBMED
11152880
REFERENCE
3 (bases 1 to 912)
Genoscope.
Direct Submission
Submitted (07-SEP-2000) Genoscope - Centre National de Sequencage,
2 rue Gaston Crémieux, CP 5706, 91057 EVRY cedex, FRANCE. (E-mail :
seqrefgenoscope.cns.fr - Web : www.genoscope.cns.fr)
This GSS is part of a random genomic sequencing program of thirteen
yeast species: Saccharomyces bayanus var. uvarum, Saccharomyces
exiguus, Saccharomyces servazzii, Zygosaccharomyces rouxii,
Saccharomyces kluyveri, Kluyveromyces thermotolerans, Kluyveromyces
lactis var. lactis, Kluyveromyces marxianus var. marxianus, Pichia
angusta, Debaryomyces hansenii var. hansenii, Pichia sorbocophila,
Candida tropicalis and Yarrowia lipolytica. Genomic inserts of 3 to
5 kb were prepared and both extremities were sequenced. See
keywords for description of this sequence and for the sequence of

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 18:55:46 ; Search time 1925 Seconds

(without alignments)

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Gapop 10.0 , Gapext 1.0

Searched: 5622541 seqs, 3033355566 residues

Total number of hits satisfying chosen parameters: 11245082

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- Published Applications NA:*
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 - 19: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
 - 20: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2769	78.6	2769	US-10-032-585-6675	Sequence 6675, Ap
2	179.6	5.1	1992	US-10-128-714-2563	Sequence 2563, Ap
3	179.6	5.1	1992	US-10-128-714-7563	Sequence 7563, Ap
4	118	3.3	462	US-09-864-408A-2265	Sequence 2265, Ap
5	117.6	3.3	8056	US-10-473-126-386	Sequence 386, App
6	116.4	3.3	688	US-10-653-047-7103	Sequence 7103, Ap
7	113.6	3.2	2048	US-10-128-714-1563	Sequence 1563, Ap
8	113.6	3.2	2048	US-10-128-714-6563	Sequence 6563, Ap
9	113.6	3.2	4048	US-10-128-714-563	Sequence 563, App
10	113.6	3.2	4048	US-10-128-714-563	Sequence 563, Ap
11	106.8	3.0	4985	US-10-094-240-10	Sequence 10, Appl

c 12	106.8	3.0	4985	16	US-10-056-405-10	Sequence 10, Appl
c 13	106.2	3.0	575	18	US-10-653-047-447	Sequence 447, App
c 14	97.4	2.8	286	18	US-10-425-115-137269	Sequence 137269, A
c 15	94.4	2.7	969	18	US-10-363-345A-26081	Sequence 26081, A
c 16	94.4	2.7	969	18	US-10-363-345A-26082	Sequence 26082, A
c 17	94.4	2.7	969	19	US-10-363-483A-26081	Sequence 26081, A
c 18	94.4	2.7	969	19	US-10-363-483A-26082	Sequence 26082, A
c 19	92.6	2.6	8056	18	US-10-473-126-386	Sequence 386, App
c 20	90	2.6	3996	14	US-10-087-464-42	Sequence 42, Appl
c 21	86.6	2.5	8056	18	US-10-473-126-240	Sequence 240, App
c 22	84.8	2.4	8056	18	US-10-473-126-240	Sequence 240, App
c 23	84	2.4	7676	15	US-10-240-485-151	Sequence 151, App
c 24	81.2	2.3	4985	14	US-10-094-240-10	Sequence 10, Appl
c 25	81.2	2.3	4985	16	US-10-056-405-10	Sequence 10, Appl
c 26	79.6	2.3	3931	15	US-10-006-780-1	Sequence 1, Appl
c 27	78.2	2.2	8759	18	US-10-473-126-104	Sequence 104, App
c 28	78.2	2.2	8759	18	US-10-473-126-232	Sequence 232, App
c 29	78.2	2.2	8759	18	US-10-473-126-250	Sequence 250, App
c 30	78.2	2.2	8759	18	US-10-473-126-378	Sequence 378, App
c 31	77.4	2.2	535	18	US-10-363-345A-28883	Sequence 28883, A
c 32	77.4	2.2	535	19	US-10-363-345A-28884	Sequence 28884, A
c 33	77.4	2.2	535	19	US-10-363-483A-28883	Sequence 28883, A
c 34	77.4	2.2	535	19	US-10-363-483A-28884	Sequence 28884, A
c 35	77	2.2	5163	15	US-10-311-455-1221	Sequence 1221, Ap
c 36	76.2	2.2	584	18	US-10-437-963-7175	Sequence 7175, Ap
c 37	75.4	2.1	17183	15	US-10-311-455-460	Sequence 460, App
c 38	74.8	2.1	16766	15	US-10-311-455-2130	Sequence 2130, Ap
c 39	74.6	2.1	19380	17	US-10-221-613-389	Sequence 389, App
c 40	74.4	2.1	7025	17	US-10-257-166-142	Sequence 142, App
c 41	74.4	2.1	7025	17	US-10-240-454-46	Sequence 46, Appl
c 42	74.4	2.1	50000	19	US-10-706-635-23	Sequence 23, Appl
c 43	74	2.1	83391	18	US-10-433-793-123	Sequence 123, App
c 44	73.4	2.1	642	16	US-10-032-585-6714	Sequence 6714, Ap
c 45	73.4	2.1	34688	18	US-10-433-793-89	Sequence 89, Appl

ALIGNMENTS

RESULT 1

US-10-032-585-6675
; Sequence 6675, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6675
; LENGTH: 2769
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6675

Query Match 78.6%; Score 2769; DB 16; Length 2769;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2769; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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122 ||||| 181
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1439	CTGTCAATCCGAGAGATTGAGATCGAATCTGAGGCAATTTGAGGACCTCGTTTTTCATCCGC	1498
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RESULT 2
US-10-128-714-2563

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US-10-128-714-2563
; Sequence 2563, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang Bo
; APPLICANT: Hu, Wenqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Broshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2563
; LENGTH: 1992
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-2563

Query Match          5.1%; Score 179.6; DB 15; Length 1992;
Best Local Similarity 56.6%; Pred No. 3e-20;
Matches 376; Conservative 0; Mismatches 279; Indels 9; Gaps 2;

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